

II. AMENDMENTS TO THE CLAIMS

Please find herein below a complete listing of the claims of the application, including their status as effected by the present amendment:

Listing of claims:

1. *(original)* An electronic circuit unit for use in an electronic equipment cabinet, said electronic circuit unit comprising:
 - a. first and second opposite main walls including EMI absorbing material;
 - b. a motherboard frame between said main walls, said motherboard frame including a plurality of wall segments defining a polygon, said motherboard frame including EMI absorbing material;
 - c. first and second locating retainers on said motherboard frame;
 - d. a signal-processing module forming at least a portion of said first main wall, said signal-processing module being removably mounted to said motherboard frame;
 - e. a generally planar motherboard in said motherboard frame fastened to said motherboard frame by said first locating retainer, said first locating retainer being positioned on said motherboard frame to locate said motherboard between said main walls;
 - f. said signal-processing module being fastened to said motherboard frame by said second locating retainer;
 - g. at least one electrical connector including first and second mating parts, said first mating part being on said motherboard, said second mating part being on said signal-processing module;
 - h. said first and said second locating retainers being positioned relative to one another to allow said first and said second mating parts to align and mate when said signal-processing module is fastened to said motherboard frame.

2. *(original)* An electronic circuit unit as defined in claim 1, wherein said polygon is a rectangle.
3. *(original)* An electronic circuit unit as defined in claim 2, wherein said electrical connector is a first electrical connector, one of said wall segments including a passage for receiving a second electrical connector.
4. *(original)* An electronic circuit unit as defined in claim 3, wherein said motherboard frame includes a guide for locating said electronic circuit unit in a certain position in the electronic equipment cabinet when mounted therein.
5. *(original)* An electronic circuit unit as defined in claim 4, wherein said guide includes a plurality of grooves formed on wall segments of said motherboard frame that are opposite one another.
6. *(original)* An electronic circuit unit as defined in claim 4, wherein said first main wall includes a heat sink.
7. *(original)* An electronic circuit unit as defined in claim 6, wherein said second main wall includes a heat sink.
8. *(original)* An electronic circuit unit as defined in claim 7, wherein said first main wall includes a plurality of signal processing modules.
9. *(original)* An electronic circuit unit as defined in claim 8, wherein said plurality of signal processing modules process optical signals.
10. *(original)* An electronic circuit unit as defined in claim 7, comprising a thermal coupling between said signal processing module and said second main wall, said thermal coupling transferring thermal energy from said signal processing module to said second main wall.

11. *(original)* An electronic circuit unit as defined in claim 10, wherein said motherboard has a passage through which said thermal coupling is realized.
12. *(original)* An electronic circuit unit as defined in claim 1, wherein said motherboard frame is integrally formed of metallic material.
13. *(original)* An electronic circuit unit as defined in claim 2, including a third locating retainer, said second main wall being mounted to said motherboard frame by said third locating retainer.
14. – 21. *(cancelled)*